

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Paul D. Lord et al. )  
 ) Art Unit: Unknown  
Serial No.: Unknown )  
 ) Examiner: Unknown  
Filing Date: Unknown )  
 )  
For: HIGH TEMPERATURE SEAWATER- )  
BASED CROSS-LINKED FRACTURING )  
FLUIDS AND METHODS )

COMMISSIONER FOR PATENTS  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

The following references are being cited in the above application pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98. Copies of the references and a corresponding Form PTO-1449 are included herewith.

U.S. Patents:

PATENTEE(S)	PATENT NO.	ISSUE DATE
Tiner et al.	3,888,312	06-10-75
Conway	4,462,917	07-31-84
Smeltz	4,609,479	09-02-86
Shuchart et al.	5,759,964	06-02-98
Harris et al.	5,827,804	10-27-98
Mitchell et al.	6,227,295	05-08-01
Nguyen et al.	6,257,335	07-10-01

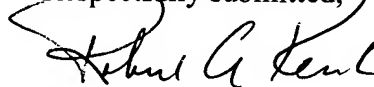
Foreign Patents:

PATENTEE(S)	PATENT NO.	ISSUE DATE
Dovan et al.	WO 96/19637	06-27-96

Publications:

PUBLISHER	AUTHOR	TITLE	RELEVANT PGS.	DATE	PLACE OF PUBLICATION
Industrial Marketing Dept., Citro-tech Division, Miles Laboratories, Inc.	G.T. Blair and M.F. Zienty	"Citric Acid Chelation," CITRIC ACID: PROPERTIES AND REACTIONS	71	1975	Elkhart, Indiana
Saunders College Publishing	J.C. Kotz and K.F. Purcell	"Naming Coordination Compounds," <i>Chemistry &amp; Chemical Reactivity</i>	962	1987	Philadelphia, PA
SPEPF	A.S. de Kruijf, L.P. Roodhart and D.R. Davies	Relation Between Chemistry and Flow Mechanics of Borate-Crosslinked Fracturing Fluids	165	August 1993	
	H. Le and R. Wood	New Frac Fluid Enhances Options for Offshore Wells, <i>Ocean Industry</i>	49	March 1992	
1999 International Symposium on Oilfield Chemistry	P.C. Harris and D. van Batenburg	A Comparison of Freshwater- and Seawater-Based Borate-Crosslinked Fracturing Fluids	SPE 50777	February 16-19, 1999	Houston, Texas

Respectfully submitted,



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Attorney for Applicants

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>		
				Application Number	Unknown	
				Filing Date	Concurrent Herewith	
				First Named Inventor	Paul D. Lord et al.	
				Group Art Unit	Unknown	
Examiner Name	Unknown					
Attorney Docket Number	HES 2000-IP-004018U1D1					
Sheet	1	of	2			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	1	3,888,312		Tiner et al.	06-10-1975	
	2	4,462,917		Conway	07-31-1984	
	3	4,609,479		Smeltz	09-02-1986	
	4	5,759,964		Shuchart et al.	06-02-1998	
	5	5,827,804		Harris et al.	10-27-1998	
	6	6,227,295		Mitchell et al.	05-08-2001	
	7	6,257,335		Nguyen et al	07-10-2001	
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	21		WO 96/19637		Union Oil Company of California	06-27-1996		X
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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if the English language Translation is attached.

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				First Named Inventor	Paul D. Lord et al.
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	HES 2000-IP-004018UID1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	7	G.T. BLAIR and M.F. ZIENTY, "Citric Acid Chelation," CITRIC ACID: PROPERTIES AND REACTIONS, 1975, p. 71, Industrial Marketing Dept., Citrotech Division, Miles Laboratories, Inc. Elkhart, Indiana	
	8	J.C. KOTZ and K.F. PURCELL, "Naming Coordination Compounds," <i>Chemistry &amp; Chemical Reactivity</i> , 1987, p. 962, Saunders College Publishing, Philadelphia, PA	
	9	A.S. de KRUIJF, L.P. ROODHART and D.R. Davies, Relation Between Chemistry and Flow Mechanics of Borate-Crosslinked Fracturing Fluids, August 1993, p. 165, SPEPF	
	10	H. LE and R. WOOD, New Frac Fluid Enhances Options for Offshore Wells, <i>Ocean Industry</i> , March 1992, p. 49	
	11	P.C. HARRIS and D. VAN BATENBURG, A Comparison of Freshwater- and Seawater-Based Borate-Crosslinked Fracturing Fluids, February 16-19, 1999, SPE 50777, 1999 International Symposium on Oilfield Chemistry, Houston, Texas	

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